

Claims

1. A data reception apparatus comprising:

picture processing means for doing pre-set picture processing using picture data from a data source side;

input/output means for being fed from said data source side with picture data comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard and for outputting a response packet responsive to a command packet conforming to the IEEE 1394 standard from the data source side; and

control means for controlling said input/output means to transmit to said data source side the profile information indicating a profile coped with by said picture processing means, as search results, responsive to the inputting of a command for searching a profile to said input/output means.

2. A data processing method in doing pre-set picture processing using picture data from a data source side, comprising:

a step of being fed from said data source side with picture data comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard;

a step of outputting a response packet responsive to a command packet conforming to the IEEE 1394 standard from the data source side; and

a step of transmitting to said data source side the profile information indicating

a profile coped with, as search results, responsive to the inputting of a command packet for searching the profile of processable picture data.

3. A data transmission device comprising:

picture processing means for processing picture data input from outside to generate picture data;

input/output means for outputting the picture data generated by said picture processing means as the picture data is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard; and

control means for managing control for generating a command packet for searching a profile coped with by picture data outputting destination to output the generated command packet from said input/output means to a data reception side, said control means also managing control for changing the type of the picture data output by said input/output means based on the profile information specifying the search results from said data reception side.

4. A data processing method comprising:

a step of processing picture signals input from outside to generate picture data;

a step of outputting the picture data generated as the picture data is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard;

a step of generating a command packet for searching a profile coped with by picture data outputting destination to output the generated command packet to a data

a step of managing control for changing the type of the picture data output based on the profile information specifying the search results transmitted from said data reception side.

first picture processing means for processing picture signals input from outside to generate picture data;

first control means for managing control for generating a command packet for searching a profile coped with by picture data reception device to output the generated command packet from said input/output means to said data reception device, said control means also managing control for changing the type of the picture data output by said first input/output means based on the profile information specifying the search results from said data reception side;

second input/output means for receiving picture data from said first input/output means as the picture data is comprehended in a packet conforming to the IEEE (The

second control means for controlling said second input/output means, responsive to inputting to said second input/output means of a command for searching a profile from said first input/output means, for outputting the profile information indicating the profile copied with by said picture processing means, as search results, to said data transmitting device.